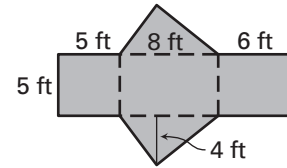


Practice B

For use with pages 481–490

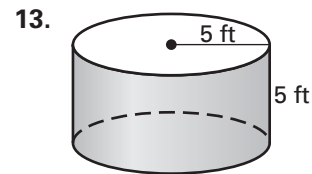
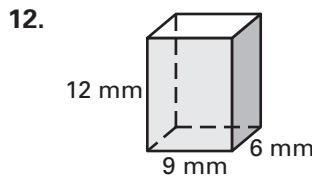
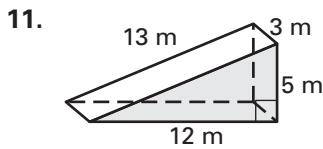
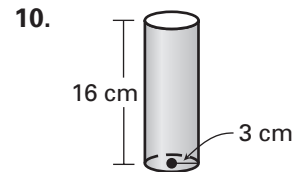
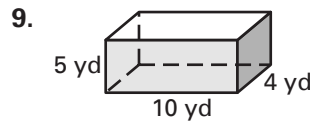
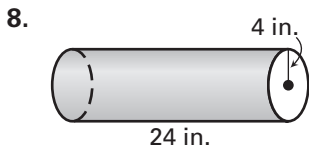
- Write the formula for the surface area of a prism in words.
- Write the formula for the surface area of a cylinder in words.

Use the diagram at the right.



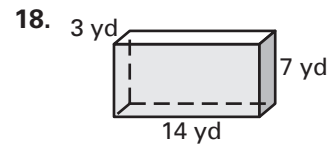
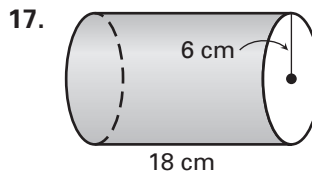
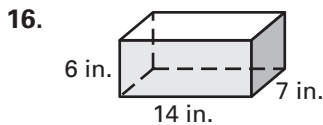
- Sketch the solid that results after the net has been folded.
- What is the height of the solid?
- What is the area of a base?
- What is the perimeter of a base?
- What is the surface area of the solid?

In Exercises 8–15, find the surface area of the solid. Round your answer to the nearest whole number, if necessary.



- a rectangular prism with a height of 3 feet, a length of 11 feet, and a width of 9 feet
- a cylinder with a diameter of 5 inches and a height of 2 inches

Find the lateral surface area of the solid. If necessary, round your answer to the nearest whole number.



- A roll of paper towels is wrapped around a cardboard cylinder with a radius of $\frac{7}{8}$ inches. Find the lateral surface area of the cardboard cylinder. Round your answer to the nearest whole number.

